

Claims:

1. A paint shaking apparatus, comprising:

a yoke having a first end and a second end;

a clamp adapted for clamping a can of paint and connected to said  
yoke at said first end;

a linear reciprocating motor for linearly reciprocatingly driving an  
exposed end of the motor; and

a linkage assembly comprising at least one link having spaced apart  
pivotal connections to said exposed end of said motor and  
said second end of said yoke, for converting linear motion  
of said motor to an arcing motion of said yoke.

2. The paint shaker of claim 1, including a base for supporting said motor and  
said yoke, wherein said yoke is pivotally connected to said base at a point on said yoke  
that is spaced from said first end.

3. The paint shaker of claim 2, wherein said point is between said first and second ends of said yoke.

4. The paint shaker of claim 3, wherein said first end is spaced from said point a greater distance than said second end is spaced from said point.

5 5. A motor for a paint shaker, comprising:

a cylinder having an inlet end and an outlet end, said inlet end having an air inlet for receiving compressed air and being otherwise substantially air-tight, said outlet end being adapted for exhausting the compressed air;

10 a piston slidingly disposed in said cylinder;

a compression spring for biasing said piston toward said inlet end of said cylinder; and

15 a valve comprising a displaceable stopper and an associated valve seat, wherein said piston includes a passageway for conducting the compressed air to said valve, wherein said

stopper is adapted to seat against said valve seat in response thereto and thereby to close said valve, wherein said cylinder includes a member adapted to unseat said stopper and thereby to allow the compressed air to enter said outlet end of said cylinder when said piston moves toward said outlet end so that said stopper reaches a predetermined point of contact with said member.

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6. The paint shaker of claim 1, wherein the motor is defined by claim 5.

7. The paint shaker of claim 5, wherein said member is a projection supported

10 by the outlet end of said cylinder.